

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0074.8US	SERIAL NO. 10/730,229
	APPLICANT Donald L. Schilling	
	FILING DATE December 8, 2003	GROUP 2483 2876



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DE	3,581,019	05/1971	Ryan			
	3,784,793	01/1974	Ito et al.			
	4,680,785	07/1987	Akiyama et al.			
	4,706,275	11/1987	Kamil			
	4,734,928	03/1988	Weiner et al.			
	4,757,186	07/1988	Heberle et al.			
	4,759,056	07/1988	Akiyama			
	4,763,354	08/1988	Fukushima et al.			
	4,782,217	11/1988	Soza et al.			
	4,795,892	01/1989	Giltmore et al.			
	4,833,702	05/1989	Shitara et al.			
	4,845,740	07/1989	Tokuyama et al.			
	4,860,341	08/1989	D'Avello et al.			
	4,868,849	09/1989	Tamaoki			
	4,879,744	11/1989	Tasaki et al.			
	4,891,503	01/1990	Jewell			
	4,897,870	01/1990	Golden			
	4,907,257	03/1990	Asano et al.			
	5,003,585	03/1991	Richer			
	5,109,540	04/1992	Dzung et al.			
	5,138,648	08/1992	Palomeque et al.			
	5,148,650	08/1992	Stahl et al.			
	5,146,217	09/1992	Homes et al.			
	5,148,472	09/1992	Freese et al.			
	5,173,936	12/1992	Ditzig et al.			
	5,179,373	01/1993	John			

EXAMINER 	DATE CONSIDERED 4/11/05
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

5,138,650

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0074.BUS	SERIAL NO. 10/730,229
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JS</i>	5,197,092	03/1993	Bamburak			
	5,220,593	06/1993	Zicker et al.			
	5,251,248	10/1993	Tokunaga et al.			
	5,266,782	11/1993	Alanara et al.			
	5,297,189	03/1994	Chabemaud			
	5,297,192	03/1994	Gerszberg			
	5,325,424	06/1994	Grube			
	5,359,182	10/1994	Schilling			
	5,371,493	12/1994	Sharpe et al.			
	5,371,785	12/1994	Marcinkiewicz			
	5,396,650	03/1995	Terauchi			
	5,404,580	04/1995	Simpson et al.			
	5,577,104	11/1996	Knuth et al.			
	6,003,770	12/1999	Schilling			
	6,035,025	03/2000	Hanson			
	6,098,878	08/2000	Dent et al.			
	6,142,368	11/2000	Jonstromer			
	6,164,531	12/2000	Harris et al.			
<i>JS</i>	6,170,745	01/2001	Schilling			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>JS</i>	0244164	10/1986	JP				
<i>JS</i>	0044662	02/1989	JP				
<i>JS</i>	0080717	04/1991	JP				

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 4/11/05
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			APPLICANT Donald L. Schilling				
			FILING DATE December 8, 2003		GROUP 2876		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
PAC	5,138,848	08/1992	Palomeque et al.				
	5,146,217	09/1992	Homes et al.				
	5,148,472	09/1992	Freese et al.				
	5,148,650	08/1992	Stahl et al.				
	5,173,936	12/1992	Ditzig et al.				
	5,179,373	01/1993	John				
	5,191,611	03/1993	Lang				
	5,193,114	03/1993	Moseley				
	5,197,092	03/1993	Bamburak				
	5,220,593	06/1993	Zicker et al.				
	5,241,598	08/1993	Raith				
	5,251,248	10/1993	Tokunaga et al.				
	5,266,782	11/1993	Alanara et al.				
	5,266,782	11/1993	Alanaerae et al.				
	5,297,189	03/1994	Chabernaude				
	5,297,192	03/1994	Gerszberg				
	5,301,234	04/1994	Mazziotto et al.				
	5,325,424	06/1994	Grube				
	5,359,182	10/1994	Schilling				
	5,371,493	12/1994	Sharpe et al.				
	5,371,785	12/1994	Marcinkiewicz				
	5,396,650	03/1995	Terauchi				
	5,404,580	04/1995	Simpson et al.				
	5,574,965	11/1996	Welmer				
PAC	5,577,104	11/1996	Knuth et al.				

EXAMINER 	DATE CONSIDERED 9/17/06
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U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
CAS 9/25/06 G, 142, 369	6,003,770	12/1999	Schilling	/	/				
	6,035,025	03/2000	Hanson						
	6,098,878	08/2000	Dent et al.						
	6,142,368	11/2000	Jonstromer						
	6,164,531	12/2000	Harris et al.						
	6,170,745	01/2001	Schilling						
FOREIGN PATENT DOCUMENTS									
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
						YES	NO		
CAS 9/25/06 G, 142, 369	3420874	12/1985	DE	/	/				
	4119924A	12/1992	DE						
	0276403	08/1988	EP						
	0479982	04/1992	EP						
	502446A	09/1992	EP						
	0562890	09/1993	EP						
	0538933	05/1997	EP						
	0428252	11/1997	EP						
	2246269	01/1992	GB						
	2269512	08/1996	GB						
	0244164	10/1986	JP						
	63105555	05/1988	JP						
	0044662	02/1989	JP						
	0080717	04/1991	JP						
	08130592A	05/1996	JP						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; vertical-align: top;"> EXAMINER </td> <td style="width: 50%; text-align: center; vertical-align: top;"> DATE CONSIDERED 4/17/06 </td> </tr> </table>								EXAMINER 	DATE CONSIDERED 4/17/06
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	APPLICANT Donald L. Schilling	
	FILING DATE December 8, 2003	GROUP 2489-2876

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CAF	4,680,785	07/1987	Akiyama et al.			
	5,179,373	01/1993	John			
	5,197,092	03/1993	Bamburak			
	5,220,593	06/1993	Zicker et al.			
	5,251,248	10/1993	Tokunaga et al.			
	5,266,782	11/1993	Alanara et al.			
	5,297,189	03/1994	Chabernaud			
	5,297,192	03/1994	Gerszberg			
	5,325,424	06/1994	Grube			
	5,359,182	10/1994	Schilling			
	5,371,493	12/1994	Sharpe et al.			
	5,371,785	12/1994	Marcinkiewicz			
	5,396,650	03/1995	Terauchi			
	5,404,580	04/1995	Simpson et al.			
	5,577,104	11/1996	Knuth et al.			
	6,003,770	12/1999	Schilling			
	6,035,025	03/2000	Hanson			
	6,098,878	08/2000	Dent et al.			
	6,142,388	11/2000	Jonstromer			
	6,164,531	12/2000	Harris et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
CAF	0244164	10/1986	JP				
CAF	0044662	02/1989	JP				
CAF	0080717	04/1991	JP				

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										APPLICANT Donald L. Schilling				
										FILING DATE Not Yet Known		GROUP Not Yet Known 2876		
U.S. PATENT DOCUMENTS														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
[Signature]	AP*	4	8	6	8	8	4	9	09/1989	Tamaoki				
	AQ*	4	8	7	9	7	4	4	11/1989	Tasaki et al.				
	AR*	4	8	9	1	5	0	3	01/1990	Jewell				
	AS*	4	8	9	7	8	7	0	01/1990	Golden				
	AT*	4	9	0	7	2	5	7	03/1990	Asano et al.				
	AU*	5	0	0	3	5	8	5	03/1991	Richer				
	AV*	5	1	0	9	5	4	0	04/1992	Dzung et al.				
	AW*	5	1	3	8	6	4	8	08/1992	Palomeque et al.				
	AX*	5	1	4	8	6	5	0	08/1992	Stahl et al.				
	AY*	5	1	4	6	2	1	7	09/1992	Homes et al.				
	AZ*	5	1	4	8	4	7	2	09/1992	Freese et al.				
[Signature]	BA*	5	1	7	3	9	3	6	12/1992	Ditzig et al.				
FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
[Signature]	BB*	0	0	8	0	7	1	7	04/1991	Japan				
[Signature]	BC*	08	13	0	5	9	2	A	05/1996	Japan				
[Signature]	BD*	0	9	0	1	85	84	A	01/1997	Japan				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)														
EXAMINER [Signature]										DATE CONSIDERED 4/15/05				

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